

FIG. 1

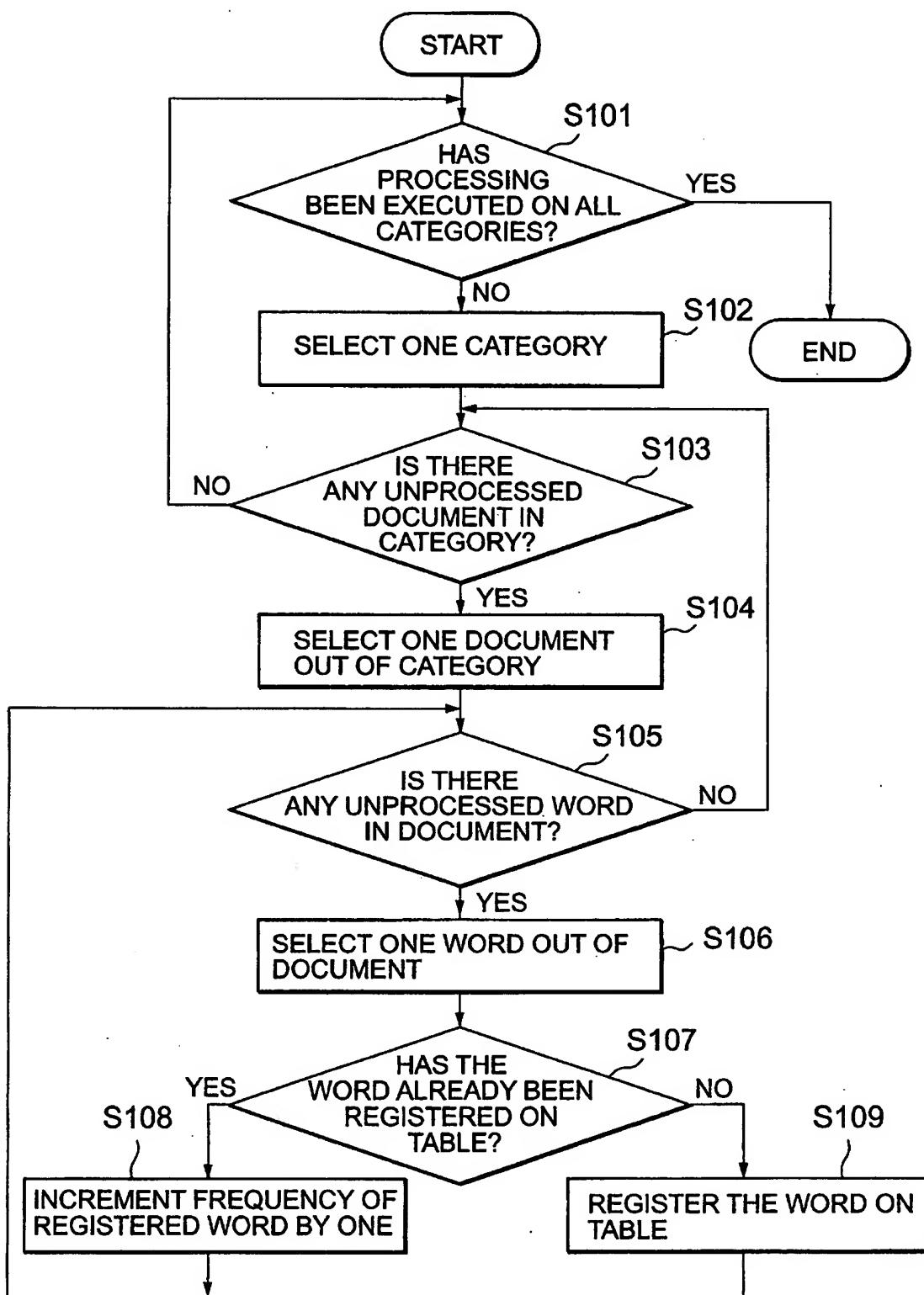


FIG. 2

CATEGORY TABLE (BEFORE ELIMINATING UNNECESSARY WORDS)

WORD ID	PART OF SPEECH	
WORD		FREQUENCY OF APPEARANCE
0 : (A) : VERB : 8349		26 : WORLD : NOUN : 252
1 : (B) : VERB : 4841		27 : TALK : VERB : 238
2 : (C) : VERB : 4335		28 : LOSE : VERB : 234
3 : (DO) : VERB : 3570		29 : WOMAN : NOUN : 221
4 : (SUN) : NOUN : 2250		30 : PITCHER : NOUN : 220
5 : JAPAN : PROPER NOUN : 1856		31 : FOLLOW : VERB : 220
6 : (D) : VERB : 1716		32 : MANAGER : NOUN : 216
7 : TEAM : NOUN : 1175		33 : OUTFIELDER : NOUN : 216
8 : PLAYER : NOUN : 1128		34 : OOOO : PROPER NOUN : 216
9 : GAME : NOUN : 714		35 : (H) : VERB : 208
10 : (E) : VERB : 660		36 : HIT : NOUN : 204
11 : (F) : NOUN : 583		37 : MAJOR LEAGUES : NOUN : 195
12 : TOTAL : NOUN : 532		38 : WORLD CHAMPIONSHIP : NOUN : 192
13 : FINALS : NOUN : 513		39 : TOKYO : PROPER NOUN : 190
14 : VICTORY : NOUN : 494		40 : CHAMPIONSHIP : NOUN : 182
15 : ENTER : VERB : 456		41 : ENTRY : NOUN : 182
16 : LEAGUE : NOUN : 448		42 : SYDNEY OLYMPIC GAMES : PROPER NOUN : 176
17 : TOURNAMENT : NOUN : 432		43 : LEAD : NOUN : 168
18 : AT-BAT : NOUN : 396		45 : (I) : VERB : 154
19 : (G) : VERB : 357		46 : OOO : PROPER NOUN : 153
20 : CONSECUTION : NOUN : 357		:
21 : MAN : NOUN : 345		:
22 : DECIDE : VERB : 323		:
23 : REPRESENTATIVE : NOUN : 312		:
24 : HIT : VERB : 306		(AND SO FORTH)
25 : SEASON : NOUN : 266		

FIG. 3

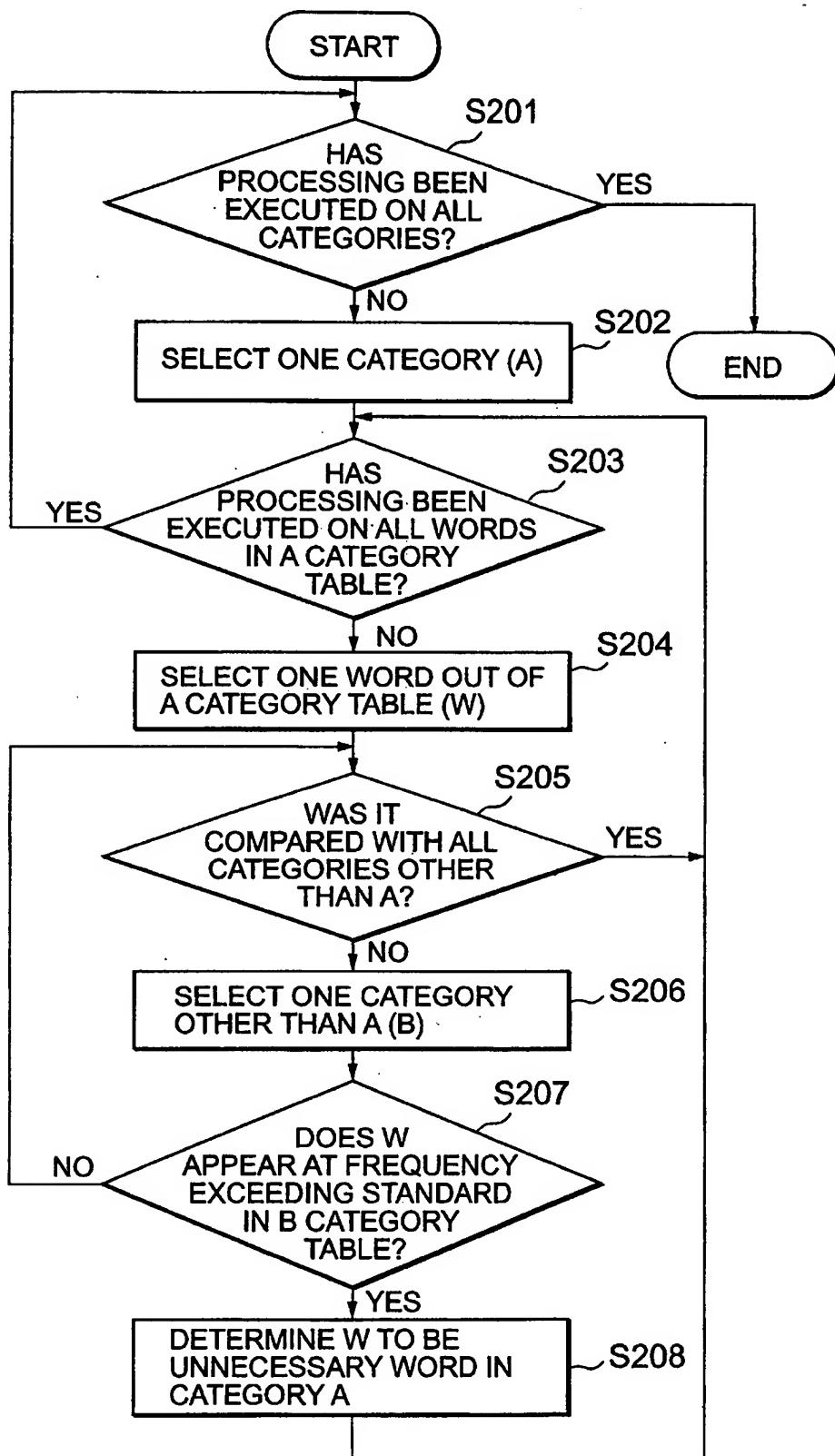


FIG. 4

DETERMINATION OF WHETHER "JAPAN" IN SPORTS SHOULD
BE UNNECESSARY WORD (THRESHOLD R = 0.05)

80x0.05=4	100x0.05=5	150x0.05=7.5
SPORTS (80 DOCS.)	ECONOMICS (100 DOCS.)	POLITICS (150 DOCS.)
JAPAN 50	JAPAN 30	PRIME MINISTER 100
REPRESENTATIVE 20	TRANSACTION 20	JAPAN 70
PLAYER 20	BANK 10	REPRESENTATIVE 8
30>5	PLAYER 3	BANK 5
	BEER 3	PLAYER 1
	REPRESENTATIVE 2	

FIG. 5A

DETERMINATION OF WHETHER "REPRESENTATIVE" IN SPORTS
SHOULD BE UNNECESSARY WORD (THRESHOLD R = 0.05)

80x0.05=4	100x0.05=5	150x0.05=7.5
SPORTS (80 DOCS.)	ECONOMICS (100 DOCS.)	POLITICS (150 DOCS.)
JAPAN 50	JAPAN 30	PRIME MINISTER 100
REPRESENTATIVE 20	TRANSACTION 20	JAPAN 70
PLAYER 20	BANK 10	REPRESENTATIVE 8
2<5	PLAYER 3	BANK 5
	BEER 3	PLAYER 1
	REPRESENTATIVE 2	8>7.5

FIG. 5B

DETERMINATION OF WHETHER "PLAYER" IN SPORTS SHOULD BE
UNNECESSARY WORD (THRESHOLD R = 0.05)

80x0.05=4	100x0.05=5	150x0.05=7.5
SPORTS (80 DOCS.)	ECONOMICS (100 DOCS.)	POLITICS (150 DOCS.)
JAPAN 50	JAPAN 30	PRIME MINISTER 100
REPRESENTATIVE 20	TRANSACTION 20	JAPAN 70
PLAYER 20	BANK 10	REPRESENTATIVE 8
3<5	PLAYER 3	BANK 5
	BEER 3	PLAYER 1
	REPRESENTATIVE 2	1<7.5

FIG. 5C

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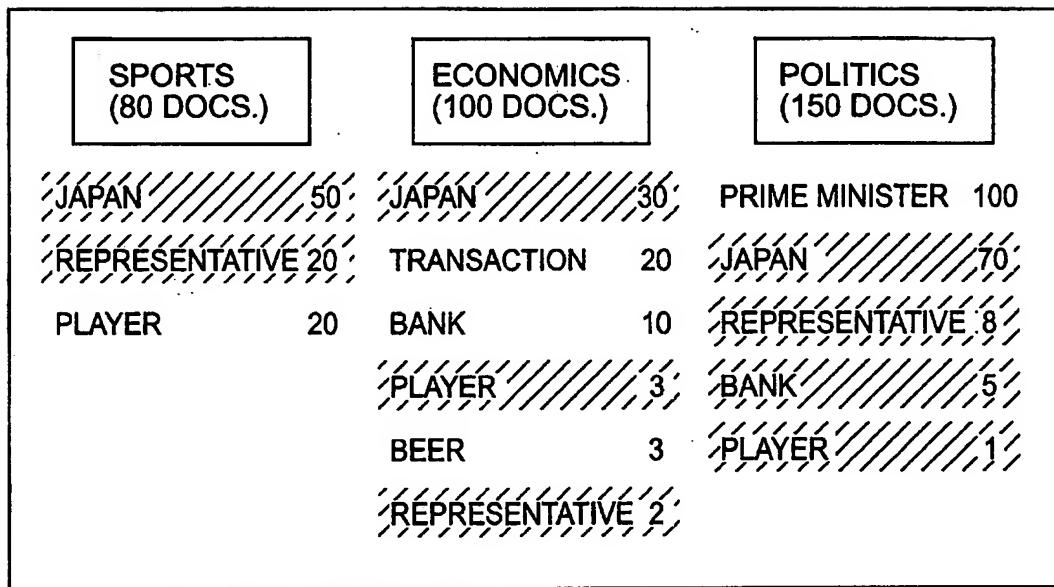


FIG. 6

CATEGORY TABLE (AFTER ELIMINATING UNNECESSARY WORDS)

WORD ID	PART OF SPEECH	
	WORD	FREQUENCY OF APPEARANCE

0	PLAYER	NOUN	: 1128
1	GAME	NOUN	: 714
2	FINAL	NOUN	: 513
3	ENTER	VERB	: 456
4	LEAGUE	NOUN	: 448
5	AT-BAT	NOUN	: 396
6	MAN	NOUN	: 345
7	SEASON	NOUN	: 266
8	LOSE	VERB	: 234
9	WOMAN	NOUN	: 221
10	PITCHER	NOUN	: 220
11	OUTFIELDER	NOUN	: 216
12	OOOO	PROPER NOUN	: 216
13	HIT	NOUN	: 204
14	MAJOR LEAGUES	NOUN	: 195
15	WORLD CHAMPIONSHIP	NOUN	: 192
16	ENTRY	NOUN	: 182
17	CHAMPIONSHIP	NOUN	: 182
18	SYDNEY OLYMPIC GAMES	type 145	: 176
19	LEAD	NOUN	: 168
20	OOO	PROPER NOUN	: 153
:			
:			
:			
	(AND SO FORTH)		

FIG. 7

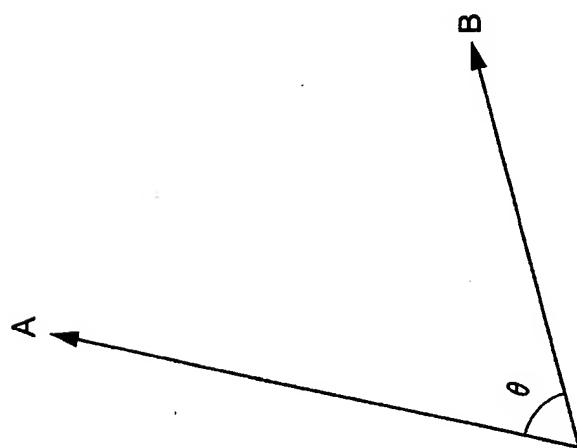
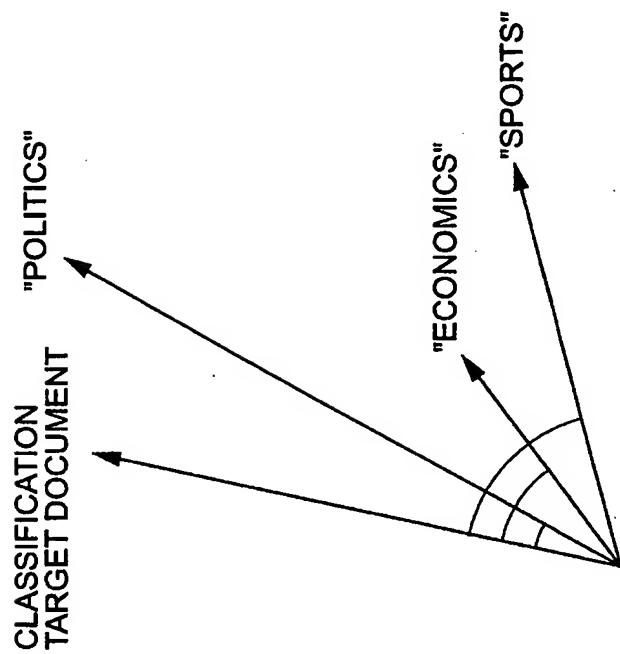


FIG. 8B

FIG. 8A

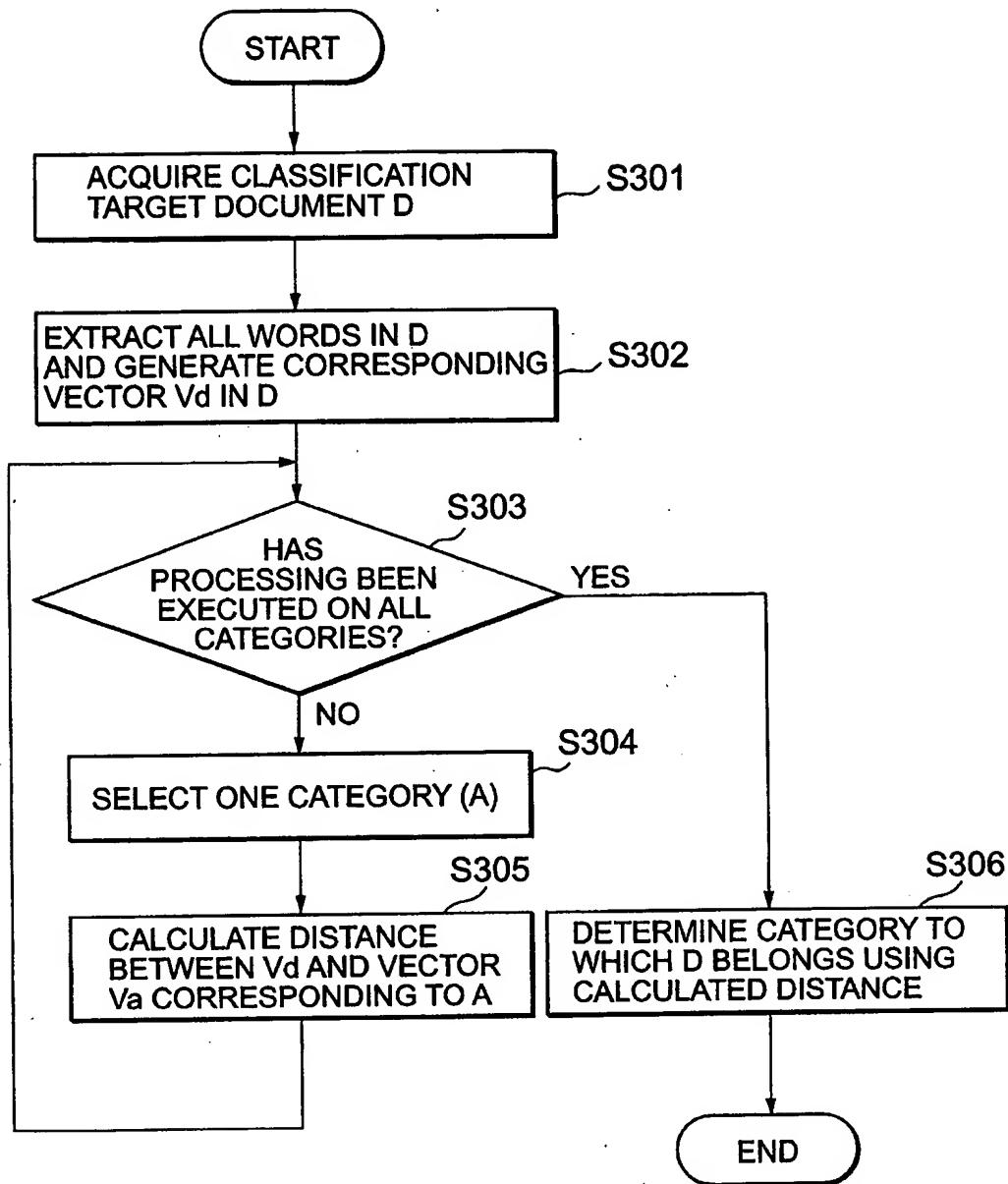


FIG. 9